



PTO/SB/21 (02-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/751,405
	Filing Date	1/6/2004
	First Named Inventor	RIEBMAN et al.
	Art Unit	3762
	Examiner Name	Unknown
	Attorney Docket Number	BIG-101
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks 9 pages of 1449: 4 pages of US and foreign patents 5 pages of non-patent literature	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Fariborz Moazzam (USPTO Reg. No. 53,339)	
Signature		
Date	April 30, 2004	

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	Riebman et al.	Examiner:	Unknown
Serial No.:	10/751,405	Confirmation No.	
Filed:	January 6, 2004	Group Art Unit:	3762
Title:	Devices and Systems for Blood Flow Assistance		

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant wishes to make of record in the above-identified application the document or documents on the attached Form PTO-1449. A copy of each non-patent reference is enclosed herewith. No copies of U.S. patent documents are being submitted because the Patent Office has waived such a requirement for the present application, which was filed after June 30, 2003.

The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Accordingly, Applicant does not believe that a fee is due for filing this paper. However, should a first action on the merits have been issued on the same day or before this Information Disclosure Statement is filed, please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 50-2882, under Order No. BIG-101 and proceed to consider this Information Disclosure Statement.

It is respectfully requested that the information be expressly considered during the prosecution of this application, and that each reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

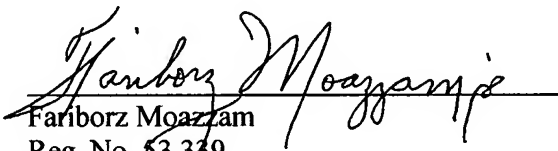
This submission does not represent that any referenced document is material or constitutes "prior art." If it should be determined that one or more of the referenced documents constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the reference or references.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over any referenced document, should it be applied against the claims of the present application.

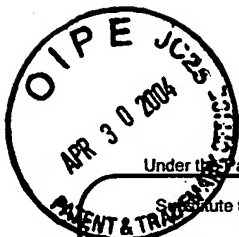
Respectfully submitted,

JEROME RIEBMAN ET AL.

Date: 30 April 2004


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PTO/SB/08A (08-03)

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Supplement to form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4**Complete if Known**

Application Number	10/751,405
Filing Date	01/06/2004
First Named Inventor	Riebman et al.
Art Unit	3762
Examiner Name	Unknown
Attorney Docket Number	BIG-101

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2002/0095210 A1	07/18/2002	Finnegan et al.	
		US- 6,450,942 B1	09/17/2002	Lapanashvili et al.	
		US- 6,406,422 B1	06/18/2002	Landesberg	
		US- 6,398,714 B1	06/04/2002	Verkerke et al.	
		US- 6,254,525 B1	07/03/2001	Reinhardt et al.	
		US- 6,251,061 B1	06/26/2001	Hastings et al.	
		US- 6,200,260 B1	03/13/2001	Bolling	
		US- 6,191,111 B1	02/20/2001	Leschinsky	
		US- 6,146,372	11/14/2000	Leschinsky et al.	
		US- 6, 123,725	09/26/2000	About-Hosn	
		US- 6,066,085	05/23/2000	Heilman et al.	
		US- 6,007,479	12/28/1999	Rottenberg et al.	
		US- 5,997,540	12/07/1999	Zheng et al.	
		US- 5,928,132	07/27/1999	Leschinsky	
		US- 5,910,103	06/08/1999	Saper et al.	
		US- 5,908,378	06/01/1999	Kovacs et al.	
		US- 5,817,001	10/06/1998	Leschinsky et al.	
		US- 5,776,047	07/07/1998	Fukunaga et al.	
		US- 5,749,839	05/12/1998	Kovacs	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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		Number-Kind Code ² (if known)			
		US- 5,738,627	04/14/1998	Kovacs et al.	
		US- 5,658,237	08/19/1997	Francischelli	
		US- 5,554,103	09/10/1996	Zheng et al.	
		US- 5,487,722	01/30/1996	Weaver, II et al.	
		US- 5,453,076	09/26/1995	Kiyota et al.	
		US- 5,429,584	07/04/1995	Chiu	
		US- 5,413,549	05/09/1995	Leschinsky	
		US- 5,397,349	03/14/1995	Kolff et al.	
		US- 5,332,403	07/26/1994	Kolff	
		US- 5,324,464	06/28/1994	Holfert et al.	
		US- 5,282,849	02/01/1994	Kolff et al.	
		US- 5,273,518	12/28/1993	Lee et al.	
		US- 5,256,132	10/26/1993	Snyders	
		US- 5,254,097	10/19/1993	Schock et al.	
		US- 5,171,207	12/15/1992	Whalen	
		US- 5,089,020	02/18/1992	Koppert	
		US- 4,976,729	12/11/1990	Holfert et al.	
		US- 4,902,291	02/20/1990	Kolff	
		US- 4,863,461	09/05/1989	Jarvik	

FOREIGN PATENT DOCUMENTS						
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		Number-Kind Code ² (if known)			
		US- 4,838,889	06/13/1989	Kolff	
		US- 4,822,357	04/18/1989	Forster et al.	
		US- 4,771,765	09/20/1988	Choy et al.	
		US- 4,753,226	06/28/1988	Zheng et al.	
		US- 4,741,328	05/03/1988	Gabbay	
		US- 4,733,652	03/29/1988	Kantrowitz et al.	
		US- 4,692,148	09/08/1987	Kantrowitz et al.	
		US- 4,630,597	12/23/1986	Kantrowitz et al.	
		US- 4,573,997	03/04/1986	Wisman et al.	
		US- 4,527,549	07/09/1985	Gabbay	
		US- 4,510,628	04/16/1985	Kolff	
		US- 4,473,423	09/25/1984	Kolff	
		US- 4,427,470	01/24/1984	Kolff	
		US- 4,376,312	03/15/1983	Robinson et al.	
		US- 4,369,530	01/25/1983	Robinson et al.	
		US- 4,245,622	01/20/1981	Hutchins, IV	
		US- 4,240,409	12/23/1980	Robinson et al.	
		US- 4,231,354	11/04/1980	Kurtz et al.	
		US- 4,222,127	09/16/1980	Donachy et al.	

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		Number-Kind Code ² (if known)			
		US- 4,204,524	05/27/1980	Martin et al.	
		US- 4,195,623	04/01/1980	Zeff et al.	
		US- 4,192,293	03/11/1980	Asrican	
		US- 4,144,595	03/20/1979	Unger	
		US- 4,116,589	09/26/1978	Rishton	
		US- 4,092,742	06/06/1978	Kantrowitz et al.	
		US- 4,080,958	03/28/1978	Bregman et al.	
		US- 4,058,855	11/22/1977	Runge	
		US- 4,051,840	10/04/1977	Kantrowitz et al.	
		US- 4,034,742	07/12/1977	Thoma	
		US- 4,004,299	01/25/1977	Runge	
		US- 3,978,187	08/31/1976	Fletcher et al.	
		US- 3,955,557	05/11/1976	Takagi	
		US- 3,911,898	10/14/1975	Leachman, Jr.	
		US- 3,866,604	02/18/1975	Curless et al.	
		US- 3,707,960	01/02/1973	Freed	
		US- 3,585,983	06/22/1971	Kantrowitz et al.	
		US-			
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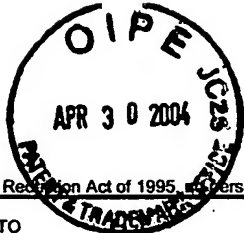
FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		0074733 B1	12/30/1986	Kolff		

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Sheet 1 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		RIEBMAN, Jerome B., "Extra-Aortic Counterpulsation Assistance for the Failing Pediatric Heart: A Novel New Approach," presented at New Era Cardiac Conf., 1/7/2003	
		RIEBMAN, Jerome B., "Extra-Aortic Counterpulsation Assistance for the Failing Pediatric Heart: A Novel Approach," slide presentation at New Era Cardiac Conf., 1/7/2003	
		SAKURAI, H., et al., "Aortic Dissection in an Infant Caused by Intraaortic Balloon Pumping," Pediatr. Cardiol. 1999, Sep-Oct; 20(5): 373-4	
		ZELANO, John A., et al., "Comparison of an Extraaortic Counterpulsation Device Versus Intraaortic Balloon Pumping in Severe Cardiac Failure", ASAIO Trans 1991; 37; M342-M344	
		FEOLA, Mario, et al., "Intraaortic Balloon Pumping in the Experimental Animal," Am Journal of Cardiology, Vol. 27, Feb. 1971, pp. 129-136	
		PENNINGTON, D. Glenn, et al., "Circulatory Support in Infants and Children," Ann Thorac Surg, 1993; 55; pp. 233-237	
		PANTALOS, G., et al., "In Vivo Evaluation of IABP Function in an Infant Animal Model of LV Dysfunction," ASAIO 43:2, Apr/March 1997, abstr	
		NANAS, John N., et al., "Hemodynamic Effects and Biocompatibility of a Valveless Implantable Abdominal Aortic Counterpulsation Device (AACD)", Circul, 70 Supp II, 10/84, abstr	
		NANAS, SN, et al., "Effectiveness of the Para-Aortic Counterpuls. Device Implanted on the Ascending Aorta vs. Centr. Blood Pump in Cardiog. Shock," XIX ESAO Congr, 10/92, abstr	
		GITTER, Richard, et al., "Influence of Ascending Versus Descending Balloon Counterpulsation on Bypass Graft Blood Flow," Ann Thorac Surg 1998; 65; pp. 365-370	

Examiner Signature	Date Considered
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First Named Inventor Riebman et al.

Art Unit 3762

Examiner Name Unknown

Attorney Docket Number BIG-101

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		REINHARTZ, Olaf, et al., "Current Clinical Status of Pulsatile Pediatric Circulatory Support," ASAIO Journal 2002; 48, pp. 455-459	
		TRUMBLE, Dennis R., et al., "Copulsation Balloon for Right Ventricular Assistance," Circulation, 1999, 99, pp. 2815-2818	
		KOLFF, Willem J., "The Need for Easier Manufact. of Artificial Hearts and Assist Devices and How This Need Can be Met by the Vacuum Mold. Techniq.," ASAIO Jour 1998, pp. 12-27	
		AKOMEA-AGYIN, Clement, et al., "Intraaortic Balloon Pumping in Children," Ann Thorac Surg 1999; 67, pp. 1415-1420	
		FISCHER, Edmundo, et al., "A New Approach to Assist Postoperative Heart Failure in an Animal Model: Juxta-Aortic Counterpulsation," Artificial Organs, 26(10), pp. 819-826	
		KONERTZ, Wolfgang, et al., "Clinical Experience with the MEDOS HIA-VAD Susyem in Infants and Children: A Preliminary Report," Ann Thorac Surg 1997, 63, pp. 1138-1144	
		MERKLE, Frank, et al., "Pulsatile Mechanical Cardiac Assistance in Pediatric Patients with the Berlin Heart Ventricular Assist Device," JECT 2003, 35, pp. 115-120	
		BIAN, Xiaoming, et al., "Enh. Intra-Aortic Ball Pump: Marked. Impr. Syst Hemod and Card. Func. in Canines with Sev., Acute Lf Ventr Failure," Artif Organs 2002, 26(8), 727-733	
		MINICH, L. LuAnn, et al., "In Vitro Evaluation of the Effect of Aortic Compliance on Pediatric Intra-Aortic Balloon Pumping," Pediatr Crit Care Med 2001, 2(2), pp. 139-144	
		UTOH, J., et al., "Chronic In Vivo Function of a New Ventricular Assist Device: The Extracorporeal Pulsatile Assist Device (EPAD)," Intl J of Artif Organs, 16(2), pp. 91-95	

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		Application Number	10/751,405		
		Filing Date	1/6/2004		
		First Named Inventor	Riebman et al.		
		Art Unit	3762		
		Examiner Name	Unknown		
Sheet	3	of	5	Attorney Docket Number	BIG-101

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		IDE, Hirofumi, et al., "Eval of the Pulsatility of a New Puls Lf Ventric Asst Dev - The Integrated Cardioassist Cath - in Dogs," J Thorac Cardiovasc Surg 1994, 107, 569-575	
		PARK, JEANNY, et al., "Intraaortic Balloon Pump Management of Refractory Congestive Heart Failure in Children," Pediatr Cardiol 1993, 14, pp. 19-22	
		NIDO, P.J., et al., "Successful Use of Intraaortic Balloon Pumping in a 2-Kilogram Infant," Ann Thorac Surg, Nov 1988, 46(5), pp. 574-576	
		MOULOPOULIS, S.D., "3. Systolic Counterpulsation with a Small Balloon to Increase Coronary Flow," Assisted Circulation 2, Springer-Verlag, 1984, pp. 38-41	
		NANAS, J.N., et al., "Hemodynam Effects of an Implanted Abdom Aortic Counterpuls Device Designed for Chnric Use in Graded Heart Failure," Life Supp Syst 1985, 3(Supp I), 245-9	
		SCHEIDT, Stephen, et al., "Mechanical Circ Asst with the Intraaortic Balloon Pump and Other Counterpulsation Devices," Progr Cardiovasc Dis, XXV (1), July/Aug 1982, pp. 55-76	
		TAENAKA, Y., et al., "Ventricular Assist Device (VAD) for Children; In Vitro and In Vivo Evaluation," Trans Am Soc Artif Intern Organs 1984, XXX, pp. 155-158	
		TAENAKA, Y., et al., "A Pediatr Ventr Asst Dev: Its Develop and Experim Eval of Hemodyn Effects on Postop Heart Fail of Congen Heart Diseases," Artif Organs 1990, 14(1), 49-56	
		NOJIRI, Chisato, et al., "Small Sft Left Ventr Asst Dev Powered by Intraaortic Balloon Pump Console for Infants: A Less Expensive Option," Artif Organs 1992, 16(4), 382-385	
		CHARITOS, C.E., et al., "Right and Left Ventric Interaction in Ventricular Fibrill Under Mechanical Assistance," ESAO Congr, Oct 1992, abstr	

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Application Number	10/751,405
Filing Date	1/6/2004
First Named Inventor	Riebman et al.
Art Unit	3762
Examiner Name	Unknown
Attorney Docket Number	BIG-101

Sheet

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of

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		NANAS, J.N., et al., "A Relief Valve Placed on an IABP Driving System Made it Proper for Driving a Left Ventricular Assist Device," ESAO Congr, Oct 1992, abstr	
		NANAS, J., et al., "Hemodynamic Effects of a Counterpulsation Device Implanted on the Ascending Aorta in an Acute Heart-Failure Model," ASAIO abstrs 1987	
		WEINHAUS, Larry, et al., "Extracorporeal Membrane Oxygenation for Circulatory Support After Repair of Congenital Heart Defects," Ann Thorac Surg 1989, 48, pp. 206-212	
		MOAT, N.E., et al., "Circulat Support in Infants with Post-Cardiopulm Bypas Left Ventric Dysfunct Using a Left Ventric Assist Device," Eur J Cardio-thorac Surg 1990, 4, 649-52	
		SANFELIPPO, Peter, et al., "Experience with Intraaortic Balloon Counterpulsation," Ann Thorac Surg, 1986, 41, pp. 36-41	
		VEASY, George, et al., "Intra-aortic Balloon Pumping in Infants and Children," Circulation 1983, 68 (5), pp. 1095-1100	
		CHRISTENSEN, David, et al., "Intra-Aortic Balloon Conterpulsation in Children: A Review of 29 Patients," Critical Care Medicine 1991, 19(575), Suppl, abstr	
		VEASY, George, et al., "Intra-Aortic Balloon Pumping: Adaptation for Pediatric Use," Critical Care Clinics, 2(2), Apr 1986, pp. 237-249	
		GRAYZEL, Joseph, "Clinical Evaluation of the Percor Percutaneous Intraaortic Balloon: Cooperative Study of 722 Cases," Circulation 66 (suppl I), 1982, pp. I-223-I-226	
		BREGMAN, David, et al., "Percutaneous Intraaortic Balloon Pumping: Initial Clinical Experience," Ann Thorac Surg, 29(2), Feb 1980, pp. 153-155	

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		Application Number	10/751,405
		Filing Date	1/6/2004
		First Named Inventor	Riebman et al.
		Art Unit	3762
		Examiner Name	Unknown
Sheet 5	of 5	Attorney Docket Number	BIG-101

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		NANAS, John, et al., "Effectiveness of a Counterpulsation Device Implanted on the Ascending Aorta," Trans Am Soc Artif Organs 1987, XXXIII, pp. 203-206	
		NANAS, John, "Superiority of Implanted Abdom Aortic Counterpuls Device Des for Chronic Use Comp to Intraaortic Balloon Pump," Circulation, 72 (supp III), Oct 1985, abstr	
		NANAS, John, et al., "Hemodyn Effects of a Counterpuls Dev Implanted on the Ascending Aorta in Severe Cardiogenic Shock," ASAIO Trans 1988, 34, pp. 229-234	
		ZELANO, John, et al., "Evaluation of an Extraaortic Counterpulsation Device in Severe Cardiac Failure," Ann Thorac Surg 1992, 53, pp. 30-37	
		STILLER, Brigitte, et al., "Heart Transplant in Children After Mech Circul Support with Pulsatile Pneumatic Assist Device," J Heart Lung Transplant, 2003, 22, pp. 1201-1208	

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